

CLAIMS:

What Is Claimed Is:

1. A drilling fluid additive mixture manufactured by a method comprising of:
admixing colloidal solids with at least one carrier to create a suspended mixture, said solids having an affinity for oils, esters, glycols and olefins, said suspended mixture allowing the surface of said solids to be pre-wet with said carrier prior to adding said mixture to a drilling fluid.
2. The drilling fluid additive mixture of Claim 1 further comprising admixing copolymer beads to said suspended mixture, said solids having an affinity for oils, esters, glycols and olefins.
3. The drilling fluid additive mixture of Claim 2 wherein said beads have a specific gravity at from about 1.0 to about 1.5 and a size from about 40 microns to about 1500 microns.
4. The drilling fluid additive mixture of Claim 1 wherein said beads are comprised of styrene and divinylbenzene.
5. The drilling fluid additive mixture of Claim 1 wherein said solids have a size range from about 2 microns to about 40 microns.

6. The drilling fluid additive mixture of Claim 1 wherein said solids are comprised of talc.

7. The drilling fluid additive mixture of Claim 1 wherein said carrier consist essentially of oils, hydrocarbon oils, vegetable oils, mineral oils, paraffin oils, synthetic oils, diesel oils, esters, glycols, cellulose and olefins.

8. The drilling fluid additive mixture of Claim 1 wherein said carrier comprises soybean oil.

9. The drilling fluid additive mixture of Claim 1 wherein said solids comprises from about 2 % to about 50 % of said additive mixture.

10. The drilling fluid additive mixture of Claim 1 wherein said carrier comprises from about 50 % to about 98 % of said additive mixture.

11. The drilling fluid additive mixture of Claim 2 wherein said beads comprises from about 2 % to about 50 % of said additive mixture.

12. A method of manufacturing a drilling fluid additive mixture, said method comprising:

shearing colloidal solids with at least one carrier to create a suspended mixture to thereby allow the surface of said solids to be pre-wet with said carrier; and

admixing copolymer beads to said suspended mixture.

13. The method of Claim 12 wherein said solids and said beads having an affinity for oils, esters, glycols and olefins.

14. The method of Claim 12 wherein said beads have a specific gravity at from about 1.0 to about 1.5 and a size from about 40 microns to about 1500 microns.

15. The method of Claim 12 wherein said beads are comprised of styrene and divinylbenzene.

16. The method of Claim 12 wherein said solids have a size range from about 2 microns to about 40 microns.

17. The method of Claim 12 wherein said solids are comprised of talc.

18. The method of Claim 12 wherein said carrier consists essentially of oils, vegetable oils, mineral oils, paraffin oils, esters, glycols, cellulose and olefins.

19. The method of Claim 12 wherein said carrier comprises polypropylene glycol.

20. The method of Claim 12 wherein said solids comprises from about 2 % to about 50 % of said additive mixture.

21. The method of Claim 12 wherein said carrier comprises from about 50 % to about 98 % of said additive mixture.

22. The method of Claim 12 wherein said beads comprises from about 2 % to about 50 % of said additive mixture.

23. A method of improving the filter cake composition of a water-based drilling fluid, said method comprising:

shearing colloidal solids with at least one carrier to create a suspended mixture to thereby allow said solids to be pre-wet with said carrier;

admixing copolymer beads to said suspended mixture thereby allowing said beads to be pre-wet with said carrier and shearing until a homogeneous mixture is formed;

adding said suspended mixture to a water-based drilling fluid; and
pumping said additive into a well bore.

24. The method of Claim 23 wherein said solids and said beads having an affinity for oils, esters, glycols and olefins.

25. The method of Claim 23 wherein said beads have a specific gravity at from about 1.0 to about 1.5 and a size from about 40 microns to about 1500 microns, said beads are comprised of styrene and divinylbenzene.

26. The method of Claim 23 wherein said solids have a size range from about 2 microns to about 40 microns.

27. The method of Claim 23 wherein said solids are comprised of talc.

28. The method of Claim 23 said carrier consists essentially of oils, hydrocarbon oils, vegetable oils, mineral oils, paraffin oils, diesel oils, synthetic oils, esters, glycols and olefins.

29. The method of Claim 23 wherein said carrier comprises oil and glycol.

30. The method of Claim 23 wherein said solids comprises from about 2 % to about 50 % of said additive mixture, said carrier comprises from about 50 % to about 98 % of said additive mixture, and said beads comprises from about 2 % to about 50 % of said additive mixture.

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